

Title :					NO. : SCE-0406				
Information Document					Date : 25. JUN. 2004				
0.	GENERAL								
0.1.	Make								
	Shinchang Electrics Co.,Ltd.								
0.2.	Model No.								
	- Transmitter : SEKS-07Tx								
	- Receiver : SEKS-07Rx								
0.3.	Name and address of manufacturer								
	Shinchang Electrics Co.,Ltd.								
	734-2, Wonshi-Dong, Ansan-Si, Kyonggi-Do, Korea.								
0.4.	Address of assembly plant								
	Shinchang Electrics Co.,Ltd.								
	734-2, Wonshi-Dong, Ansan-Si, Kyonggi-Do, Korea.								
<p>NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.</p>									
<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.</p>									
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1.	PRODUCT SPECIFICATION
1.1	Scope of Remote Keyless Entry in ETACS system.
1.1.1	Key part : Transmitter is inside of the remote key, and it sends the rolling code to the receiver by radio frequency.
1.1.2	Receiver : It receives the rolling code and decodes that, thereafter receiver drives the actuator and horn.
1.2	Specification
1.2.1	Transmitter

Item	Specification
Rated supply voltage	DC 3V
Operating voltage range	DC 2.5 ~ 3.2V
Operating temperature range	-20 ~+60
Storage temperature range	-30 ~ 80
Modulation	FM
Frequency	433.92MHz
Code	Rolling Code(Hopping Algorithm)
Electric field strength	0.01mW
Battery life	2 Year(Lithium 3V 1EA)

1.2.2	Receiver
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Item	Specification
Rated Supply Voltage	DC 12V
Operating Voltage	DC 9 ~ 16V
Operating Temperature	- 30 ~ + 80
Max Humidity	95%
Standby Current	Below than 6mA (in alarm setting condition)

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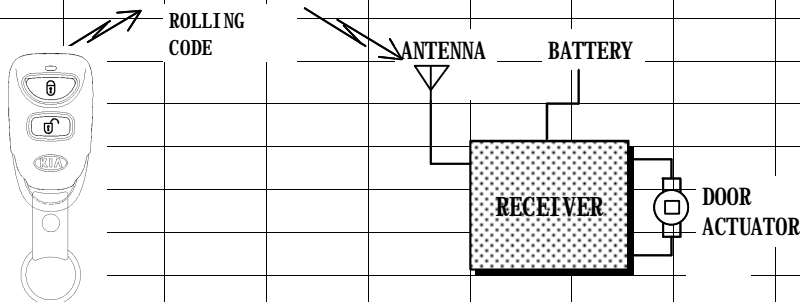
2. USER MANUAL

2.1 Name : ETACS system

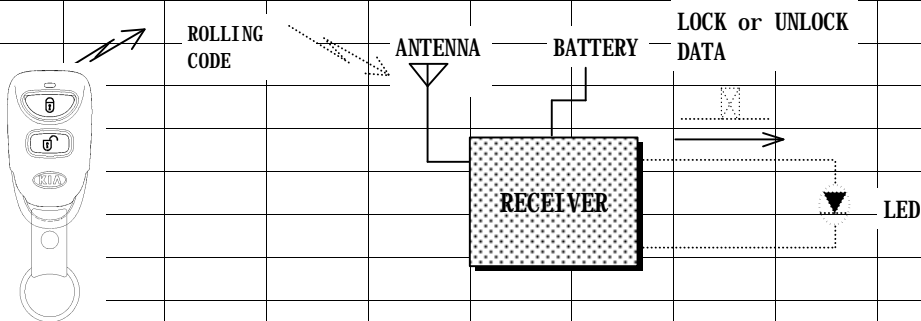
- This system is ETACS and includes RKE.
- RKE in ETACS system is intended for auto door lock or unlock / panic in vehicle.
- This ETACS system is to be installed on motor vehicles as *OE item.
- * OE : Original Equipment.
- * ETACS : Electronic Time & Alarm Control System.
- * RKE : Remote Keyless Entry.

2.2 System construction

2.2.1 System in vehicle

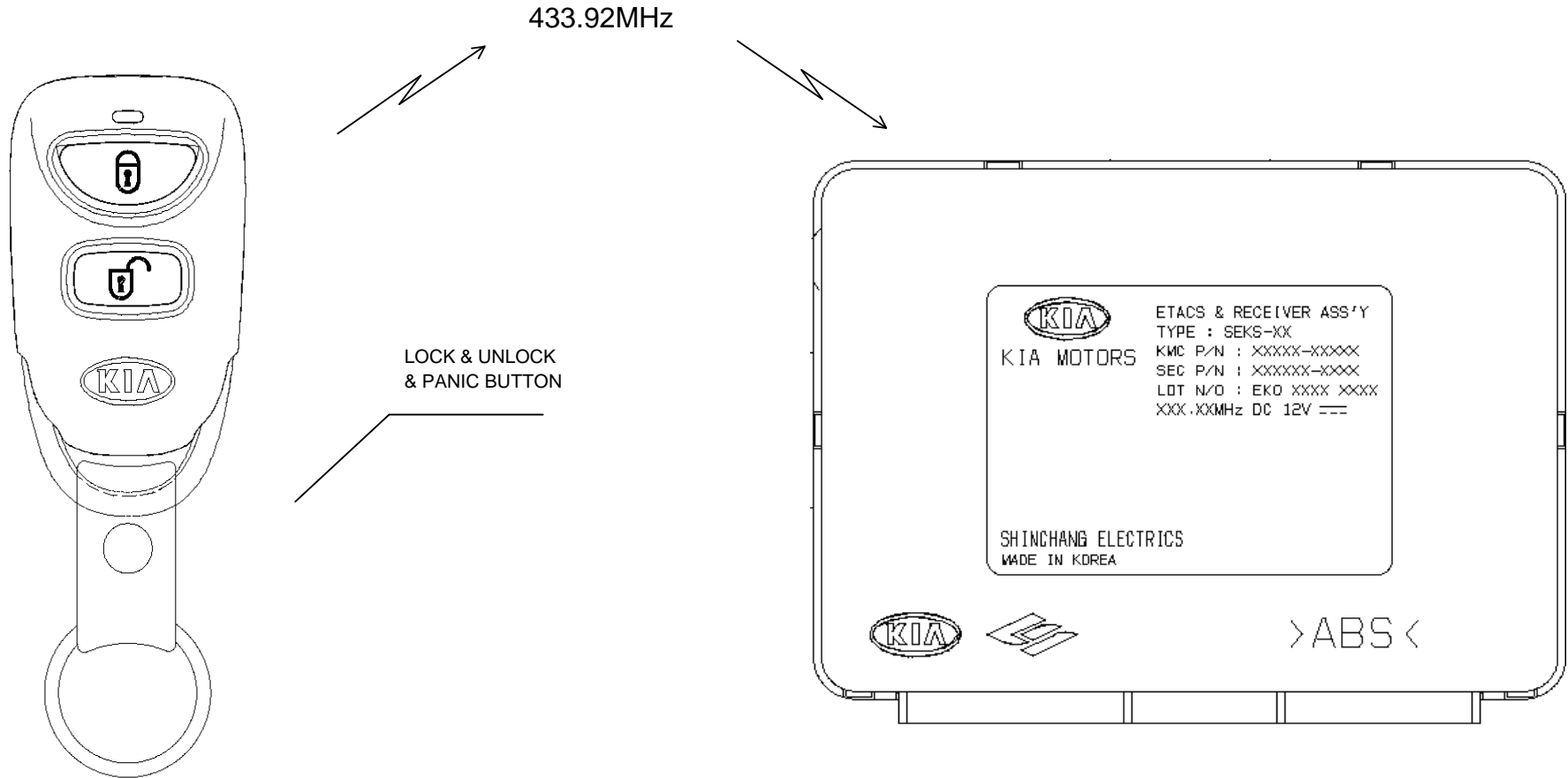


2.2.1 System for test



* Through the use of lamp, operating state is displayed by lamp.
lamp 'ON' means that actuator is operated by door lock or unlock / panic output signal.

NO.	PART NAME	QT'Y	REMARKS
?	ETACS	1	
?	TRANSMITTER	1	



NAME	RKE SYSTEM IN ETACS
TITLE	SYSTEM DIAGRAM
SCALE	FREE

SA ETACS RHD